

INDIVIDUAL TRAINING STANDARDS

1. General. This enclosure contains all of the ITSs for this OccFld, grouped by MOS. Each MOS is contained in a separate Appendix to Enclosure (6).

2. Format. For each ITS, the following elements of information are provided:

a. TASK. The task describes a specific and necessary behavior expected of a Marine in a particular MOS or billet. It is a clearly stated, performance-oriented action requiring a learned skill. Skills that "make" a Marine or qualify that Marine for the appropriate MOS are designated as "CORE." Those advanced skills that are mission, grade, or billet specific are designated as "CORE PLUS."

b. CONDITION(S). This portion of the ITS describes the equipment, manuals, assistance/supervision, special physical demands, environmental conditions, and location affecting a Marine's performance of the task under real-world circumstances.

c. STANDARD(S). This portion of the ITS describes the level of proficiency to which the individual must perform the task.

d. PERFORMANCE STEPS. Collectively, the performance steps represent the logical sequence of actions required of the Marine to perform the task to standard. These actions are typically detailed in the references.

e. INITIAL TRAINING SETTING. All ITSs are assigned an initial training setting that includes a specific location for initial instruction [Functional Learning Center (FLC) or Managed On-The-Job Training (MOJT)], a sustainment factor (number of months between evaluation or retraining to maintain the proficiency required by the standard), and a "Required By" grade (the lowest grade at which task proficiency is required).

f. REFERENCE(S). References are doctrinal publications, technical manuals, and other publications upon which the ITS and its performance steps are based. They should be readily available and provide detail to the procedures that are only summarized in the performance steps.

g. TRAINING MATERIEL (Optional). Training materiel includes all training devices, simulators, aids, equipment, and materials [except ammunition, distance learning (DL) products, and performance support tools (PST)] required or recommended to properly train the task under the specified conditions and to the specified standard. Mandatory items are preceded by an asterisk(*)

h. AMMUNITION (Optional). This table, if present, depicts the ammunition, explosives, and/or pyrotechnics required for proper training of the ITS.

i. DISTANCE LEARNING PRODUCT(S) (Optional). This section includes a list of any currently available or planned DL products designed to provide training related to this task.

j. PERFORMANCE SUPPORT TOOL(S) (Optional). This section includes a list of any currently available or planned PSTs designed to provide training related to this task.

k. ADMINISTRATIVE INSTRUCTIONS (Optional). Administrative instructions provide the trainer/instructor with special required or recommended circumstances, including safety precautions, relating to the training or execution of the task. These instructions may also clarify the meaning of the task.

MOS 0627, GROUND MOBILE FORCES SATELLITE TERMINAL OPERATOR

DUTY AREA 01 - COMMUNICATIONS INSTALLATION

For a complete MOS 0627 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0627.01.01 (CORE) INSTALL AN/TSC-85B COMMUNICATIONS TERMINAL, SATELLITE

CONDITION(S): Provided an AN/TSC-85B, power source, COMSEC, and references.

STANDARD(S): To prepare AN/TSC-85B for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Site the equipment.
3. Ground equipment.
4. Install COMSEC.
5. Orient the azimuth to the correct satellite.
6. Assemble antenna support structure.
7. Assemble dish antenna.
8. Install antenna cables.
9. Connect power cables.
10. Make final antenna adjustments.
11. Install external user signal cables.
12. Provide for local security.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. ASC-1, GMFSC Operator Procedures
3. ASC-2, GMFSC Anti-jam Operating Procedures
4. ASC-3, GMFSC Management Policy and Procedures
5. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

6. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals
AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance
7. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance
Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

1. * AN/TSC-85B Ground Mobile Forces Satellite Communications Terminal

TASK: 0627.01.02 (CORE) INSTALL AN/TSC-93B GROUND MOBILE FORCES (GMF) SATELLITE COMMUNICATIONS TERMINAL

CONDITION(S): Provided an AN/TSC-93B, power source, COMSEC, and references.

STANDARD(S): To prepare AN/TSC-93B for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Site the equipment.
3. Ground equipment.
4. Install COMSEC.
5. Orient the azimuth to the correct satellite.
6. Assemble antenna support structure.
7. Assemble dish antenna.
8. Install antenna cables.
9. Connect power cables.
10. Make final antenna adjustments.
11. Install external user signal cables.
12. Provide for local security.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. ASC-1, GMFSC Operator Procedures
3. ASC-2, GMFSC Anti-jam Operating Procedures
4. ASC-3, GMFSC Management Policy and Procedures

5. TM 11-5895-1127-10, Operator's Manual for Satellite Communication Terminals
AN/TSC-93B(V)1 and TSC-93B(V)2

TRAINING MATERIEL:

1. * AN/TSC-93B Ground Mobile Forces Satellite Communications Terminal

TASK: 0627.01.03 (CORE) INSTALL KG-194A COMSEC EQUIPMENT

CONDITION(S): Provided a KG-194A, COMSEC, and references.

STANDARD(S): To prepare KG-194A for operation, per the references.

PERFORMANCE STEPS:

1. Connect KG-194A to designated equipment.
2. Apply power.
3. Load COMSEC.
4. Conduct operational check.
5. Perform updates, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. NTP-4, Naval Telecommunications Procedures/Fleet
3. TM 11-5810-365-10, TSEC/KG-194
4. TM 11-5810-365-23, TRNK ENCRYPT Device KG-94A/KG-194A
5. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals
AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance
6. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals
AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

TRAINING MATERIEL:

1. * KG-194A

TASK: 0627.01.04 (CORE) INSTALL KY-57/TSEC COMSEC EQUIPMENT

CONDITION(S): Provided a KY-57/TSEC, COMSEC, and references.

STANDARD(S): To prepare KY-57/TSEC for operation, per the references.

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

1. * OE-361
-

TASK: 0627.01.06 (CORE) INSTALL AS-3036 SATELLITE ANTENNA

CONDITION(S): Provided an AS-3036 and references.

STANDARD(S): To prepare AS-3036 for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Site equipment.
3. Assemble antenna support structure.
4. Assemble dish antenna.
5. Erect the antenna.
6. Orient the antenna.
7. Make final antenna adjustments.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 11-5895-1127-10, Operator's Manual for Satellite Communication Terminals AN/TSC-93B(V)1 and TSC-93B(V)2
3. TM 11-5895-1128-10, Satellite Communication Terminal AN/TSC-85
4. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance
5. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

TRAINING MATERIEL:

1. * AS-3036
-

MCO 1510.118
24 JAN 01

TASK: 0627.01.07 (CORE) INSTALL AN/TSC-154 TERMINAL, SATELLITE COMMUNICATION

CONDITION(S): Provided AN/TSC-154, power source, COMSEC, and reference.

STANDARD(S): To prepare AN/TSC-154 for operation, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Site the equipment.
3. Ground the equipment.
4. Locate sighting points.
5. Level support structure.
6. Conduct powerup procedures.
7. Deploy antenna.
8. Install external user signal cables.
9. Provide for local security.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * AN/TSC-154
2. Power Source, as applicable

ADMINISTRATIVE INSTRUCTIONS: Include the SHF Tri-band Advanced Range Extension Terminal (STAR-T) AN/TSC-156 when fielded.

TASK: 0627.01.08 (CORE PLUS) PERFORM PREVENTIVE MAINTENANCE (PM) ON GLOBAL MOBILE FORCE (GMF) TACTICAL SATELLITE (TACSAT) EQUIPMENT

CONDITION(S): Provided designated equipment, cleaning materials, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Conduct Stock List-3 (SL-3) inventory.
2. Perform PM.

Appendix K to
ENCLOSURE (6)

3. Check operation of equipment.
4. Complete equipment records.
5. Prepare Equipment Repair Order/Equipment Repair Order Shopping List (ERO/EROSL).
6. Reconcile Daily Progress Report (DPR).
7. Report discrepancies.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: PFC

REFERENCE(S):

1. MCBUL 3000, Table MARES LOG Reportable Equipment
2. MCO P4790.2, MIMMS Field Procedures Manual
3. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals
AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance
4. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals
AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance
5. TM 11-5895-1434-34, Direct Support and General Support Maintenance Manual
for Satellite Communication Terminal AN/TSC-93B(V)1

DUTY AREA 02 - COMMUNICATIONS OPERATION

TASK: 0627.02.01 (CORE) OPERATE THE AN/TSC-85B TACTICAL SATELLITE TERMINAL

CONDITION(S): Provided an installed AN/TSC-85B and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Maintain proper ground equipment.
3. Power-up shelter.
4. Acquire satellite.
5. Maintain circuit.
6. Perform short term shutdown and startup.
7. Perform troubleshoot equipment procedures.
8. Power-down shelter.
9. Perform operator level preventive maintenance, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 11-5895-1128-10, Satellite Communication Terminal AN/TSC-85
3. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance
4. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance
5. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

1. * AN/TSC-85B Ground Mobile Forces Satellite Communications Terminal

TASK: 0627.02.02 (CORE) OPERATE AN/TSC-93B TACTICAL SATELLITE TERMINAL

CONDITION(S): Provided an installed AN/TSC-93B and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Maintain proper ground equipment.
3. Power-up shelter.
4. Acquire satellite.
5. Maintain circuit.
6. Perform short term shutdown and startup.
7. Perform troubleshoot equipment procedures.
8. Power-down shelter.
9. Perform operator level preventive maintenance, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 11-5895-1127-10, Operator's Manual for Satellite Communication Terminals AN/TSC-93B(V)1 and TSC-93B(V)2
3. TM 11-5895-1434-34, Direct Support and General Support Maintenance Manual for Satellite Communication Terminal AN/TSC-93B(V)1
4. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

1. * AN/TSC-93B Ground Mobile Forces Satellite Communications Terminal

TASK: 0627.02.03 (CORE) OPERATE AN/TSC-154 COMMUNICATION TERMINAL, SATELLITE

CONDITION(S): Provided an installed AN/TSC-154 and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Maintain ground equipment.
3. Power-up shelter.
4. Acquire satellite.

5. Access designated net.
6. Maintain circuit.
7. Perform short term shutdown and startup.
8. Power down shelter.
9. Perform troubleshoot equipment procedures.
10. Perform preventive maintenance, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 11-5895-1128-10, Satellite Communication Terminal AN/TSC-85
3. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance
4. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance
5. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

1. * AN/TSC-154

ADMINISTRATIVE INSTRUCTIONS: Include the SHF Tri-band Advanced Range Extension Terminal (STAR-T) AN/TSC-156 when fielded.

TASK: 0627.02.04 (CORE) PERFORM ROUTINE CORRECTIVE MAINTENANCE ON AN/TSC-154 TERMINAL, SATELLITE COMMUNICATION

CONDITION(S): Provided faulty equipment, proper tools, TMDE, and references.

STANDARD(S): To return faulty AN/TSC-154 terminal to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Use Built in Test Equipment (BITE).
3. Perform Built in Test (BIT).
4. Identify faulty component.
5. Open Equipment Repair Order (ERO).

6. Requisition repair parts.
7. Remove/Replace faulty component (utilize soldering skills where applicable).
8. Perform Quality assurance check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 4700-15/1, Equipment Record Procedures
3. TM 4790.2_, MIMMS Field Procedures Manual

TASK: 0627.02.05 (CORE PLUS) PERFORM PREVENTIVE MAINTENANCE (PM) ON GLOBAL MOBILE FORCE (GMF) TACTICAL SATELLITE (TACSAT) ANTENNA

CONDITION(S): Provided designated antennas, cleaning materials, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Conduct Stock List-3 (SL-3) inventory.
3. Ensure antenna is free of dirt, debris, rust, and corrosion.
4. Check operation of equipment.
5. Complete equipment records.
6. Prepare Equipment Repair Order/Equipment Repair Order Shopping List (ERO/EROSL).
7. Reconcile Daily Progress Report (DPR).
8. Report discrepancies.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: PFC

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 4700-15/1, Equipment Record Procedures

TRAINING MATERIEL:

1. Cleaning Materials, as applicable
2. * Global Mobile Force Tactical Satellite Antenna

MCO 1510.118
24 JAN 01

Appendix K to
ENCLOSURE (6)